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pennis, C. haematopotus, C. paraensis, C. spinosus, C. borinqueni, and *Phlebotomus shannoni.*

Within the forest proper two general vertical diel movements have been observed:

(1) A diurnal movement upward along the main tree trunks was made by *Culicoides paraensis, C. spinosus* and *C. borinqueni* with horizontal spreading in the upper canopy area.

(2) A dusk movement upward into shrub and tree-canopy strata was observed particularly for *Mansonia perturbans* and to a small degree for *Culex erraticus, C. salinarius, Anopheles quadrimaculatus,* and *Culicoides travisi* as light intensity progressively decreased to below 1 F. C. (Weston) toward the top of the canopy. At dawn, those mosquitoes present in the canopy began to descend as light intensity increased beyond 1 F. C., ultimately returning to the cover of protected situations near ground level. These vertical movements are accompanied by horizontal spreading in canopy strata.

There is also a major horizontal movement from the marsh and swamp forest to nearby grassland at dusk by nocturnally active *Anopheles quadrimaculatus, A. walkeri, Culex erraticus,* and *Mansonia perturbans.* From daybreak to sunrise fair numbers of these species move from grassland to sheltered sites in the swamp forest, though considerable shift occurs several hours thereafter until a suitable resting site is found.

In the spring, *Anopheles walkeri, Aedes sticticus, A. thibaulti,* and *Culicoides travisi* were the principal species biting near ground level. In the canopy *Culicoides spinosus* was active during the day, while *C. haematopus, C. guttipennis,* and *C. travisi* were active at night. In the early summer, *Aedes vexans, Culex erraticus,* and *Mansonia perturbans* were the main species active at night, with *M. perturbans* predominating in the forest canopy. During the day, *Chrysops brunnea* and *C. flavida reicherti* were found near the ground, while *Culicoides parensis* and *C. borinqueni* were active in the forest canopy. Observations in August revealed *Mansonia perturbans, Aedes triseriatus, Culex salinarius,* and *Phlebotomus shannoni* were feeding in forest canopy at night, while *Anopheles quadrimaculatus* and *Culex erraticus* preferred to feed near ground. Diurnal feeding activity was detected for *Culicoides paraensis* and *C. borinqueni* in the canopy and for *Psorophora ferox* and *P. varipes* primarily near ground level. In October, small numbers of *Anopheles quadrimaculatus, A. punctipennis, Aedes vexans, Culex erraticus,* and *Mansonia perturbans* were taken at ground level principally at dusk, while *Aedes triseriatus, Culicoides guttipennis,* and *C. haematopotus* were collected feeding in the tree canopy. During the day small numbers of *Culicoides paraensis* were caught feeding in the forest canopy.

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